

Primers for Quantitative real-time PCR

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An abbreviated version of this protocol was published in eLIFE in Feb 2017

Expression of SREBP-1c Requires SREBP-2-mediated Generation of a Sterol Ligand for LXR in Livers of Mice

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Detailed protocol

Genes	Primers Forward	Reverse
SREBP-2	GCGTTCCTGGAGACCATGGA	ACAAAGTTGCTCTGAAAACAAATCA
SREBP-1a	GGCCGAGATGTGCGAACT	TTGTTGATGAGCTGGAGCATGT
SREBP-1c	GGAGCCATGGATTGCACATT	GGCCCGGGAAGTCACTGT
LDLR	AGGCTGTGGGCTCCATAGG	TGCGGTCCAGGGTCATCT
HMG-CoA synthase	GCCGTGAACTGGGTCGAA	GCATATATAGCAATGTCTCCTGCAA
HMG-CoA reductase	CTTGTGGAATGCCTTGTGATTG	AGCCGAAGCAGCACATGAT
Squalene synthase	CCAACTCAATGGGTCTGTTCT	TGGCTTAGCAAAGTCTTCCAAC
Acetyl-CoA Carboxylase1	TGGACAGACTGATCGCAGAGAAAG	TGGAGAGCCCCACACACA
Fatty acid synthase	GCTGCGGAACTTCAGGAAAT	AGAGACGTGTCACTCCTGGACTT
ELOVL6	TGTACGCTGCCTTTATCTTTGG	GCGGCTTCCGAAGTTCAA
Stearoyl-CoA desaturase 1	CCGGAGACCCCTTAGATCGA	TAGCCTGTAAAAGATTCTGCAAACC
PNPLA3	TGGCTACAATGGGCGACAT	GGCCCAAGTATTTACCTGGTAGAG
CHREBP	CCTTCGCCAACTCAGCACTT	TGGCTTGCTCAGGCACAA
Glucokinase	CCGTGATCCGGGAAGAGAA	GGGAAACCTGACAGGGATGAG
G6PD	GAACGCAAAGCTGAAGTGAGACT	TCATTACGCTTGCACTGTTGGT
PEPCK	CCACAGCTGCTGCAGAACA	GAAGGGTCGCATGGCAAA
ApoB	CGTGGGCTCCAGCATTCTA	TCACCAGTCATTTCTGCCTTTG

How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

- Rong, S. and Horton, J. (2020). Primers for Quantitative real-time PCR. Bio-protocol Preprint. [bio-protocol.org/678](https://doi.org/10.21956/bio-protocol.d678).
- Rong, S., Cortés, V. A., Rashid, S., Anderson, N. N., McDonald, J. G., Liang, G., Moon, Y., Hammer, R. E. and Horton, J. D. (2017). Expression of SREBP-1c Requires SREBP-2-mediated Generation of a Sterol Ligand for LXR in Livers of Mice. eLIFE. DOI: [10.7554/eLife.25015](https://doi.org/10.7554/eLife.25015)

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